



JUN 30 2004

ATTACHMENT A

TECH CENTER 1600/2900

Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An insect repellent insertsubstrate for repelling lice and other parasitic insects and for attachment to the inside of a garment to be worn by a person, the insertsubstrate comprising:

an insert strip of an absorbent fabric base material impregnated with a repellent carrier composition, the carrier composition being solid at a temperature below body temperature, the insert strip being adapted to attach to the inside of a garment in a manner that will ensure continuous contact of the portion of the garment containing the insect repellent substrate with the wearer's hair or body, the carrier composition including a mixture of wax and an insect repellent in proportions such that when exposed to body temperature heat, the insect repellent will be controllably released from the carrier composition, the insect repellent being present in an amount that is non-toxic to a person but sufficient to treat and prevent infestations of lice and other parasitic insects on a person whereby, in use, when the garment is worn by a person such that the portion of the garment containing the insect repellent substrate is in contact with hair or skin of the person, and the person's body heat causes the insect repellent to be controllably released from the absorbent fabric base material to the hair or skin of the person so as to treat or prevent infestations of lice and other parasitic insects.

2. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the insect repellent is a naturally occurring compound.

3. (Currently amended) An insect repellent insertsubstrate as defined in claim 2, wherein the insect repellent includes an extract from the pyrethrum flower.

4. (Currently amended) An insect repellent insertsubstrate as defined in claim 3, wherein the insect repellent is a pyrethrum solution.

5. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the carrier composition further includes one or more scented or aromatic oils.

6. (Currently amended) An insect repellent insertsubstrate as defined in claim 5, wherein the carrier composition includes citronella oil and rosemary oil.

7. (Currently amended) An insect repellent insertsubstrate as defined in claim 2, wherein the carrier composition further includes neem oil.

8. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the wax is a paraffin wax.

9. (Currently amended) An insect repellent insertsubstrate as defined in claim 4, wherein the carrier composition includes between 0.5% to 6.0% by volume of pyrethrum.

10. (Currently amended) An insect repellent insertsubstrate as defined in claim 9, wherein the carrier composition includes between 0.5% to 4.0% citronella oil.

11. (Currently amended) An insect repellent insertsubstrate as defined in claim 10, wherein the carrier composition includes between 0.5% to 5.0% rosemary oil.

12. (Currently amended) An insect repellent insertsubstrate as defined in claim 11, wherein the carrier composition includes between 3.0% to 9.0% neem oil.

13. (Currently amended) An insect repellent insertsubstrate as defined in claim 12, wherein the carrier composition also includes between 0.5% to 6.0% eucalyptus oil.

14. (Currently amended) An insect repellent insertsubstrate as defined in claim 13, wherein the carrier composition includes 30 mls of pyrethrum (50% w/w), 20 mls of citronella, 25 mls of rosemary and 45 mls of neem oil to every one litre of wax.

15. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the absorbent fabric base material is a felt material.

16. (Currently amended) An insect repellent insertsubstrate as defined in claim 15, wherein the absorbent fabric base material is a polyester/cotton blend felt material.

17. (Currently amended) A method of manufacturing an insect repellent insertsubstrate for repelling lice and other parasitic insects for attachment to a garment to be worn by a person, the method comprising:

producing a repellent carrier composition by

heating a wax to a liquid state, and

mixing an insect repellent with the liquid wax to form a mixture;

the wax and insect repellent being in proportions such that the carrier composition is solid at temperatures below body temperature and will controllably release the insect repellent at a temperature corresponding to the body temperature of a person;

dipping a strip of absorbent fabric base material into the carrier composition while still in the liquid state for a sufficient length of time to allow the absorbent base material to absorb some of the carrier composition and such that the insect repellent is present in an amount that is non-toxic to the person but sufficient to treat and prevent infestations of lice and other parasitic insects on a person;

allowing the impregnated strip of base material to cool so that the carrier composition solidifies on the absorbent base material to form said insect repellent insertsubstrate; and,

attaching the insert ~~substrate~~to the inside of a garment in a manner that will ensure continuous contact of the portion of the garment containing the insect repellent insertsubstrate with the hair or body of a wearer of the garment, whereby, in use, when the garment is worn by a person such that the wearer's body heat causes the carrier composition to controllably release the insect repellent from the absorbent fabric base material insert to the hair or skin of the person.

18. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 17, wherein the insect repellent is a naturally occurring compound.

19. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 18, wherein the insect repellent includes an extract of the pyrethrum flower.

20. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 19, wherein the insect repellent includes a pyrethrum solution.

21. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 17, wherein the step of producing the repellent carrier composition further includes mixing one or more scented or aromatic oils with the liquid wax.

22. (Currently amended) A method of manufacturing an insect repellent

insertsubstrate as defined in claim 21, wherein the scented oils include citronella oil and rosemary oil.

23. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 17, wherein the step of producing the carrier composition further includes mixing neem oil with the liquid wax.

24. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the garment is an item of headwear.

25. (Currently amended) An insect repellent insertsubstrate as defined in claim 24, wherein the garment is a headband and said insect repellent insertsubstrate is sewn onto the inside of a stretch fabric forming the headband.

26. (Currently amended) An insect repellent insertsubstrate as defined in claim 1, wherein the insect repellent insertsubstrate is removably attached to the garment using hook and loop fastening material.

27. (Currently amended) An insect repellent insertsubstrate as defined in claim 26, wherein the garment is a baseball cap.

28. (Currently amended) An insect repellent insert as defined in claim 1 wherein the mixture comprises at least 76% by volume of the wax.

29. (Currently amended) A method of manufacturing an insect repellent insertsubstrate as defined in claim 17 wherein the mixture comprises at least 76% by volume of the wax.

30. (Currently amended) An insect repellent insertsubstrate for repelling lice and other parasitic insects and for attachment to the inside of a garment to be worn by a person, the insertsubstrate comprising:

an insert strip of absorbent fabric base material impregnated with a repellent carrier composition, the carrier composition being solid at a temperature below body temperature, the insert strip being adapted to attach to the inside of a garment in a manner that will ensure continuous contact of the portion of the garment containing the insect repellent substrate with the wearer's hair or body, the carrier composition including a mixture of wax and an insect repellent comprising an extract from the pyrethrum flower in proportions such that the carrier composition will controllably release the insect repellent at a temperature corresponding to the body temperature of a person, the insect repellent being present in an amount between 0.5% to 6.0% by volume of said carrier composition, said amount being non-toxic to a person but sufficient to treat and prevent infestations of lice and other parasitic insects on a person whereby, in use, when the garment is worn by a person such that the portion of the garment containing the insect repellent ~~insert~~substrate is in contact with hair or skin of the person, the person's body heat causes the controlled release of the insect repellent from the absorbent fabric base material to the hair or skin of the person.